

Fig. 1

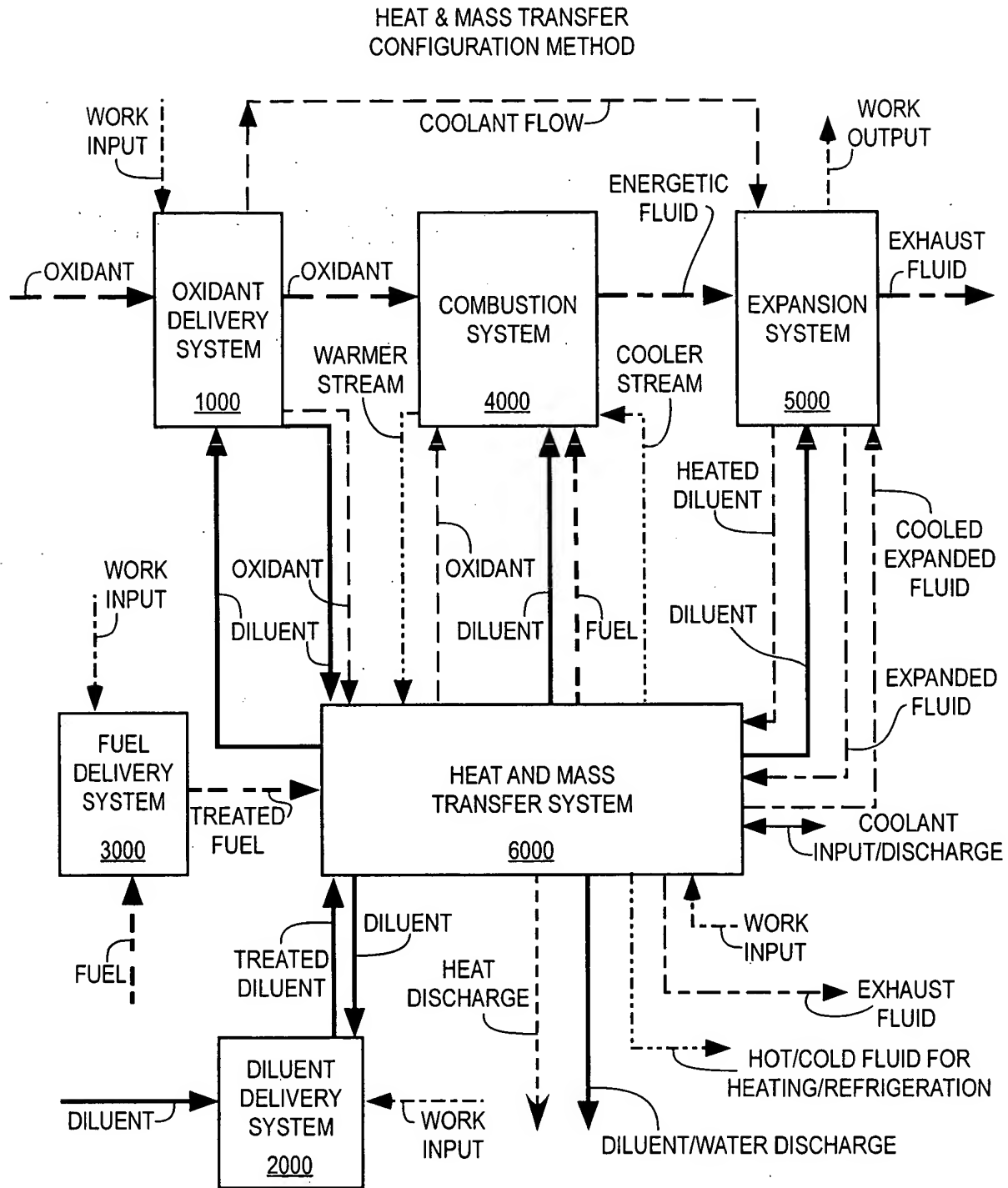


Fig. 2

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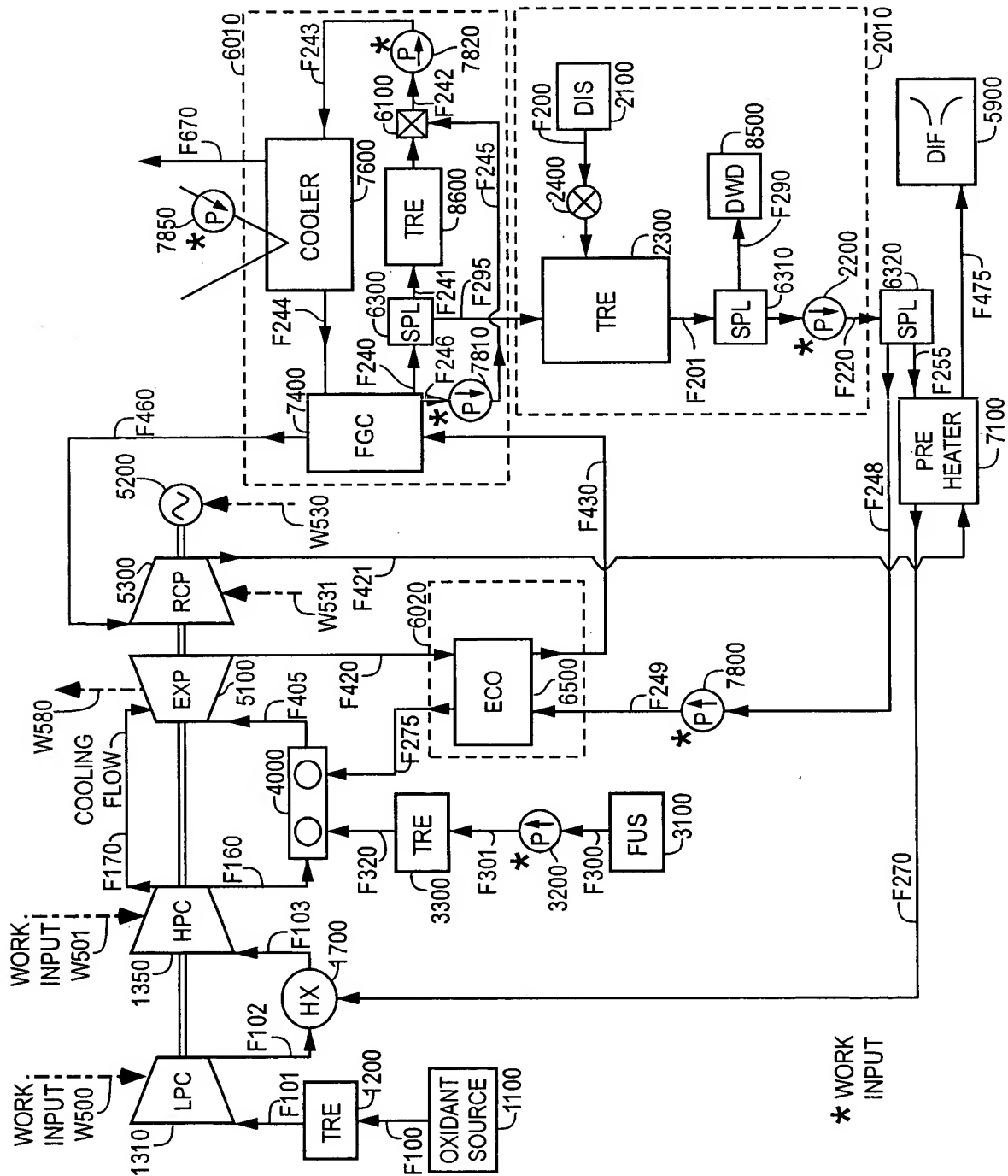
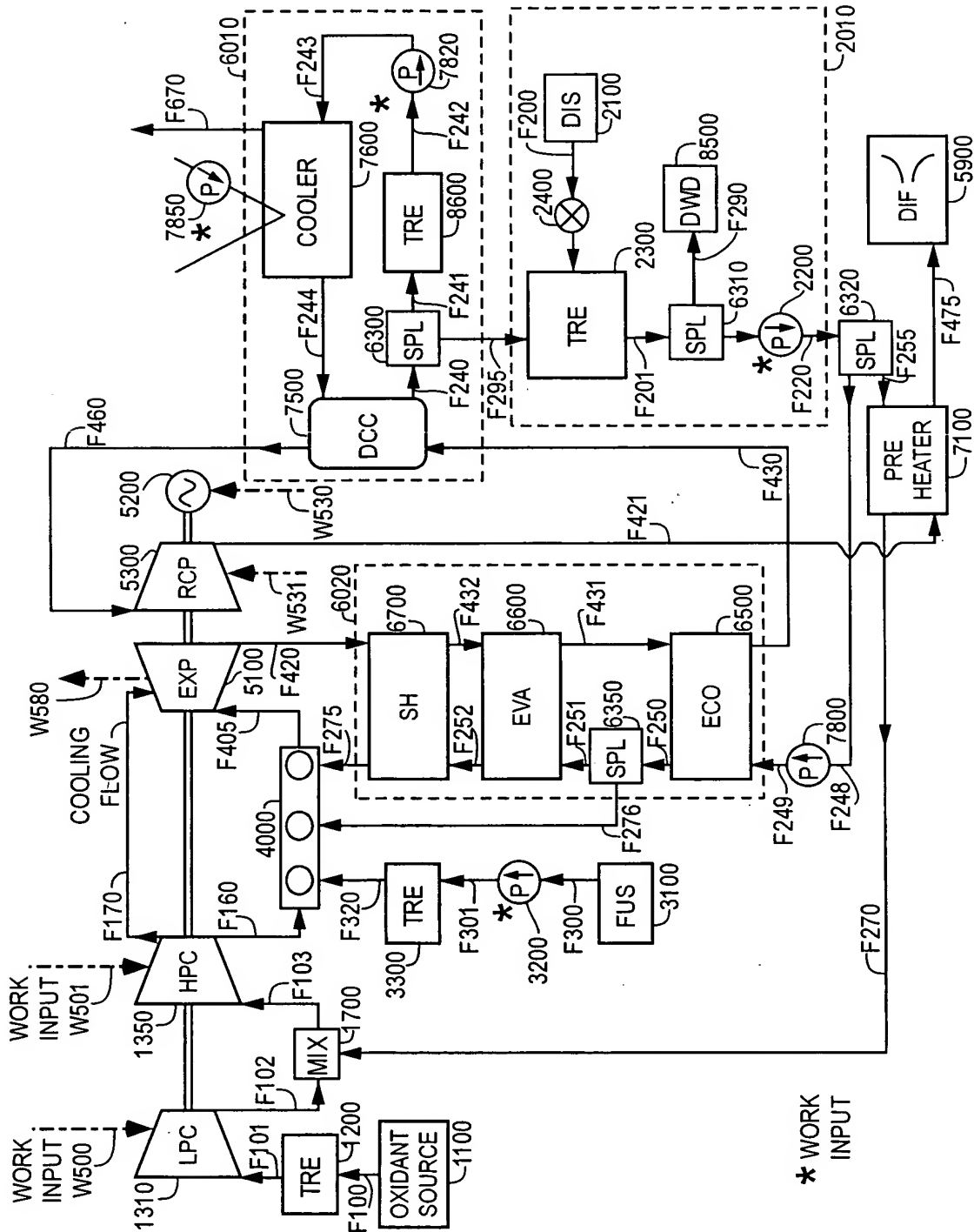
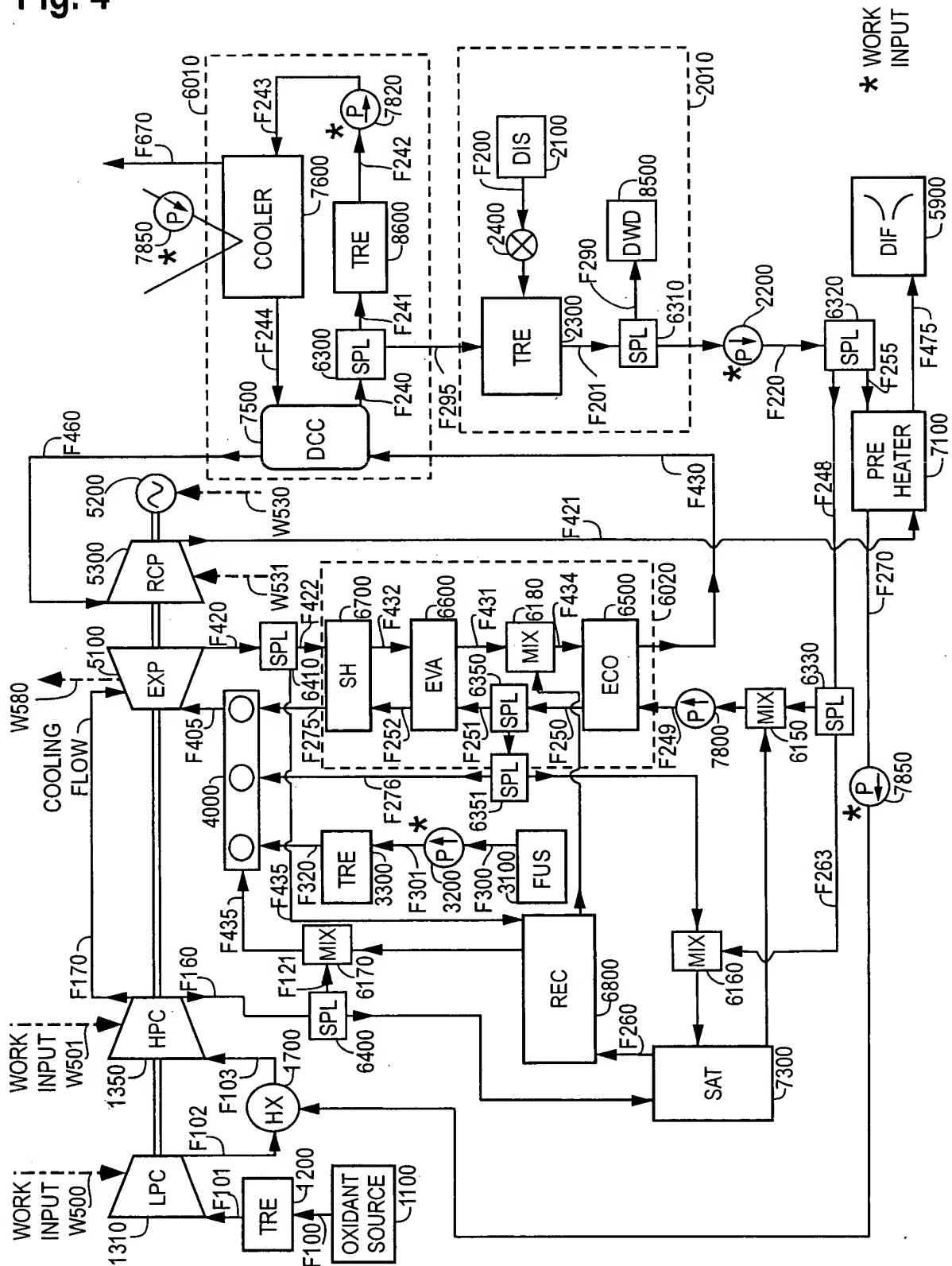


Fig. 3



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Fig. 4



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Fig. 5

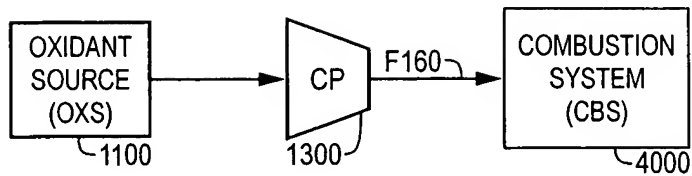


Fig. 6

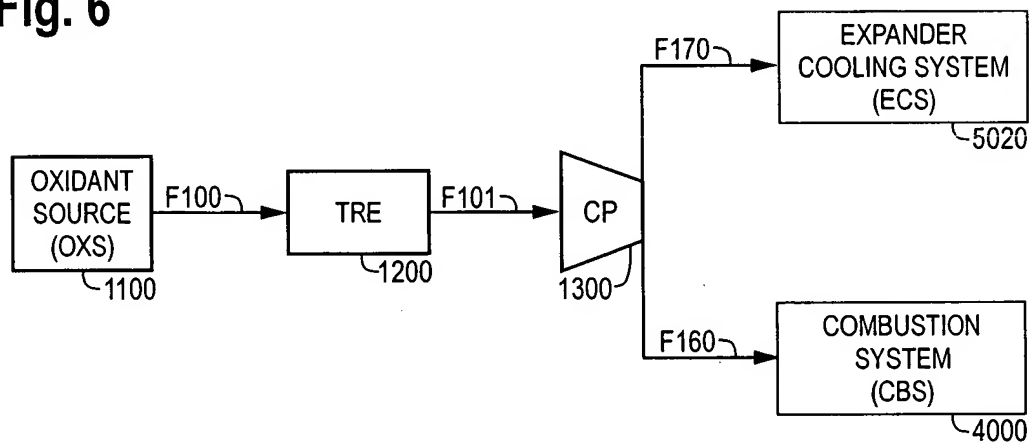
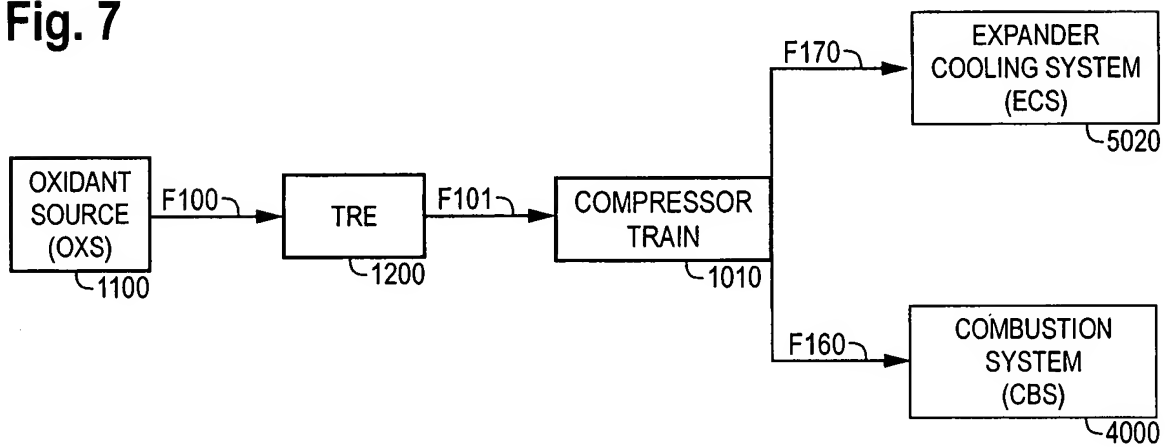


Fig. 7



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Fig. 8

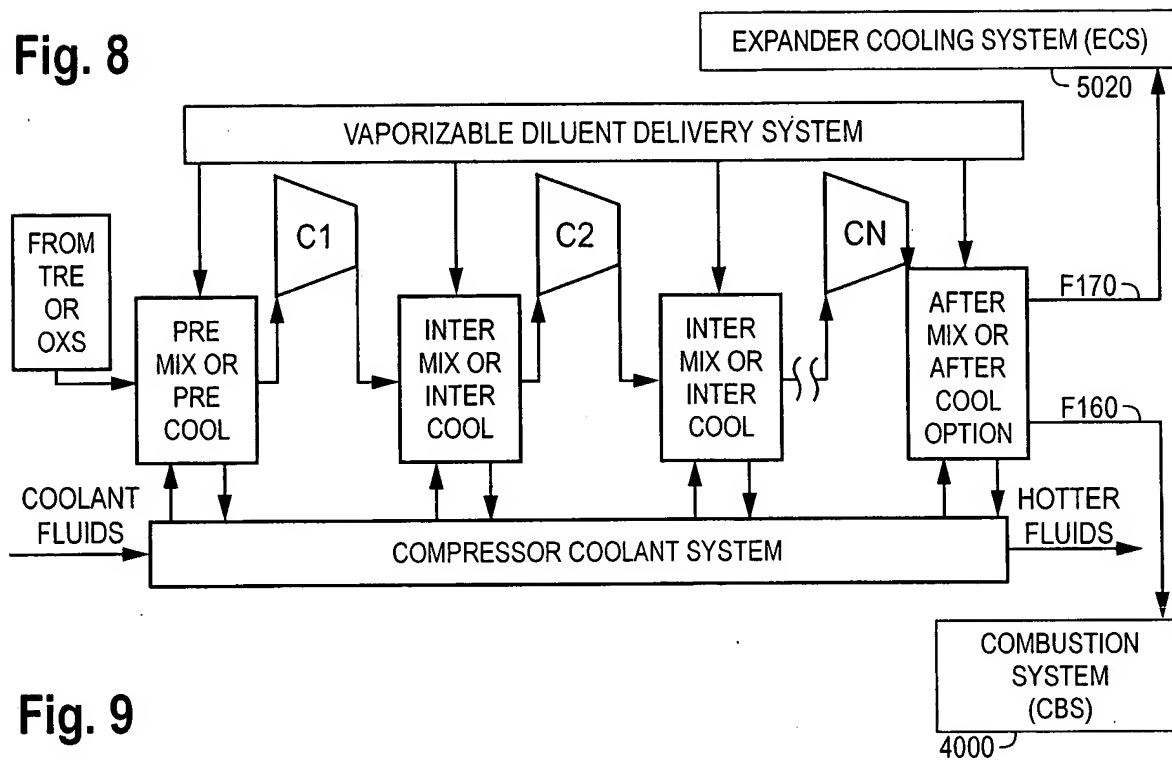


Fig. 9

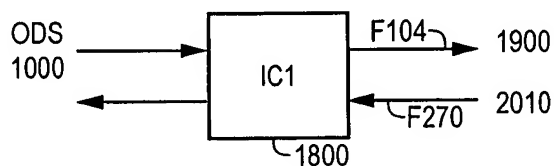


Fig. 10

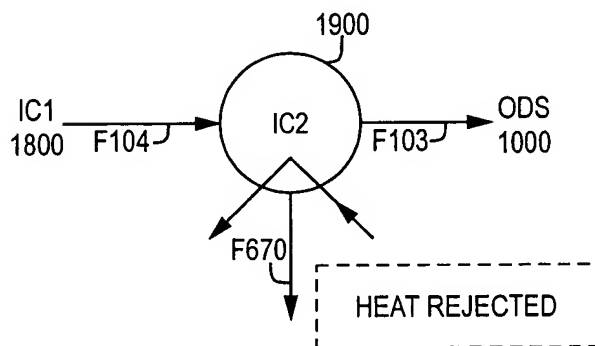
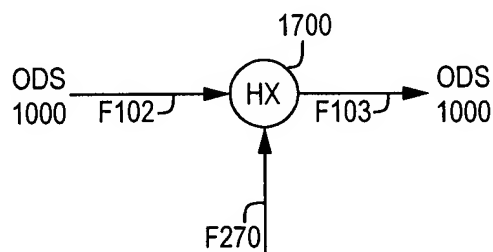


Fig. 11



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Fig. 12

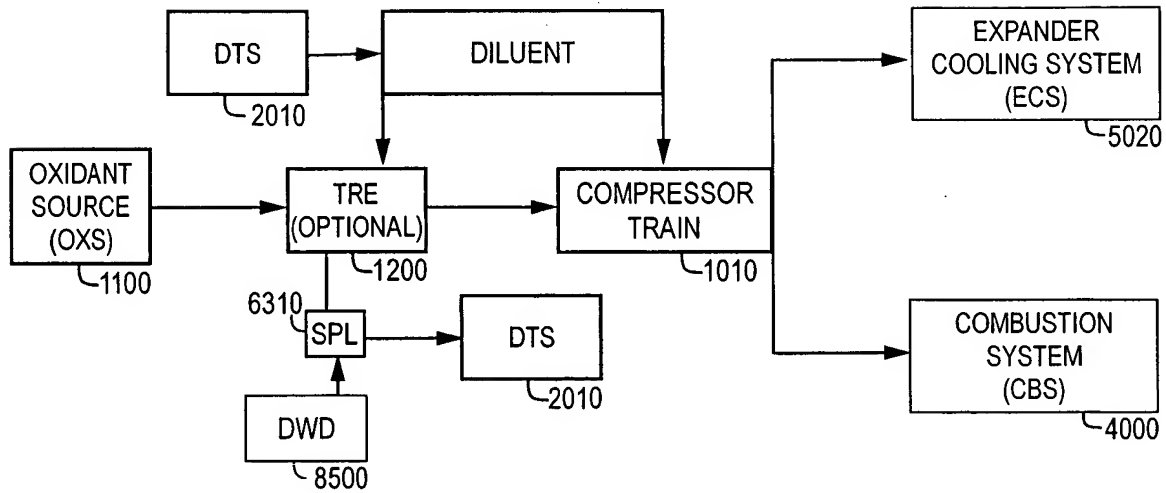
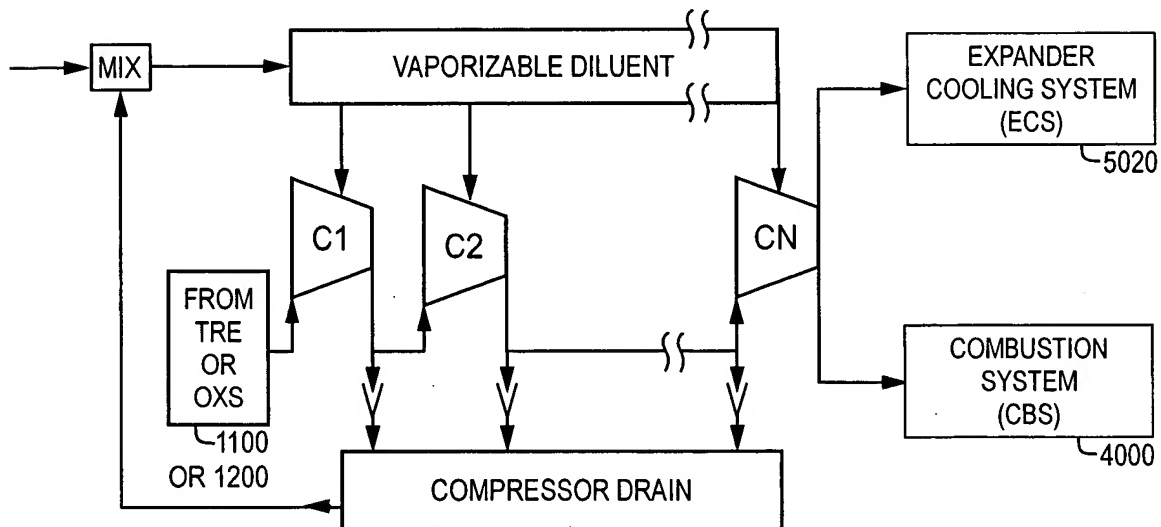


Fig. 13



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Fig. 14

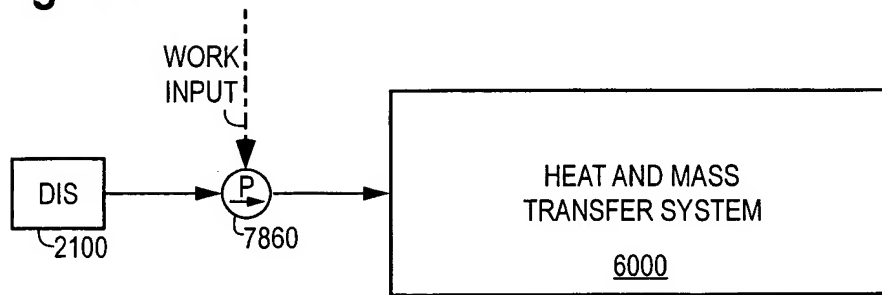


Fig. 15

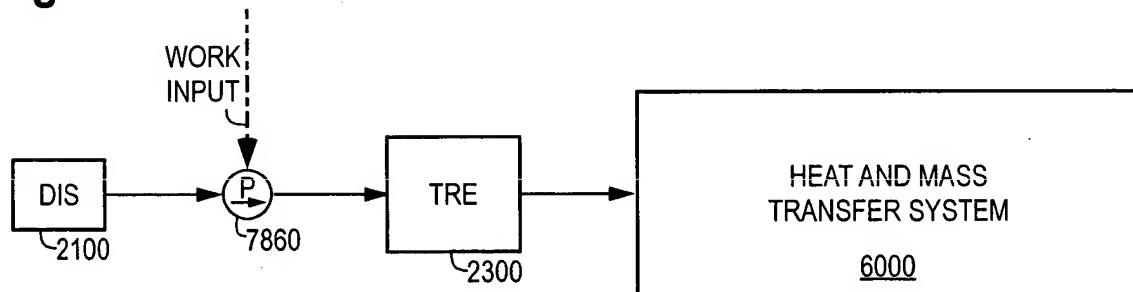


Fig. 16

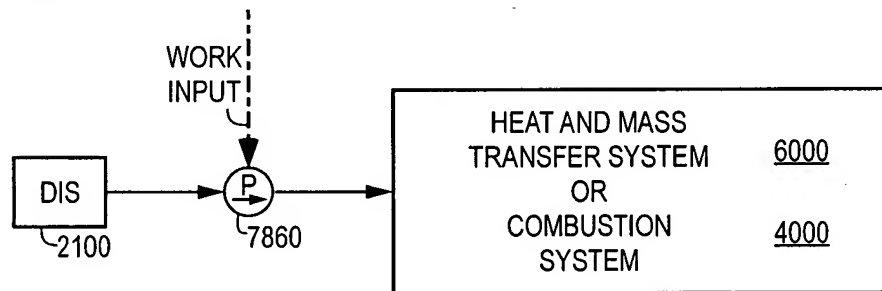
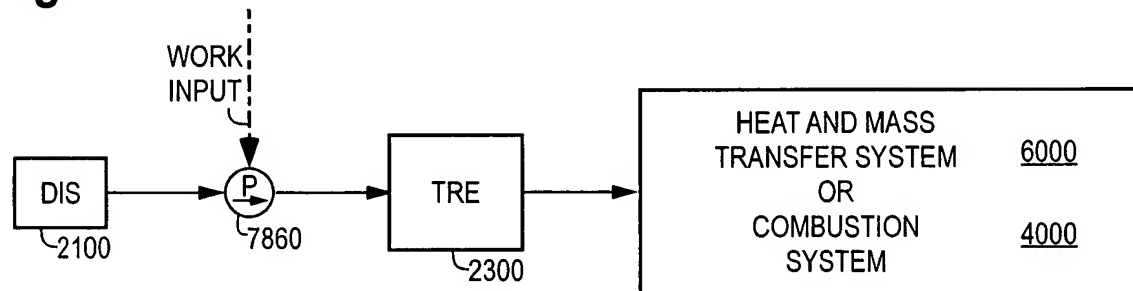


Fig. 17



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Fig. 18

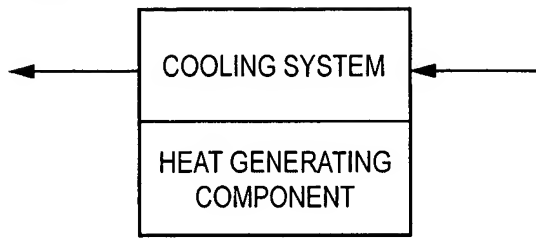


Fig. 19

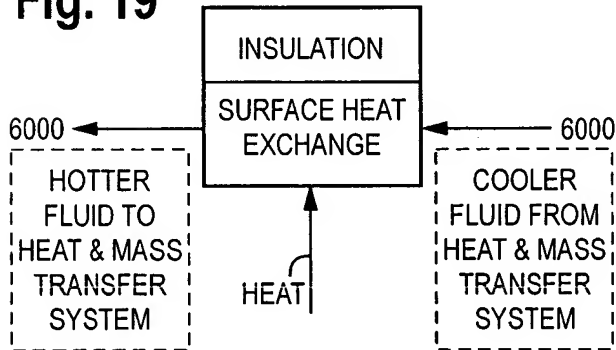


Fig. 20

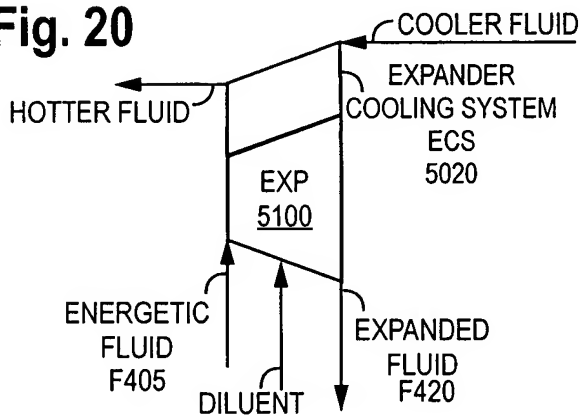


Fig. 21

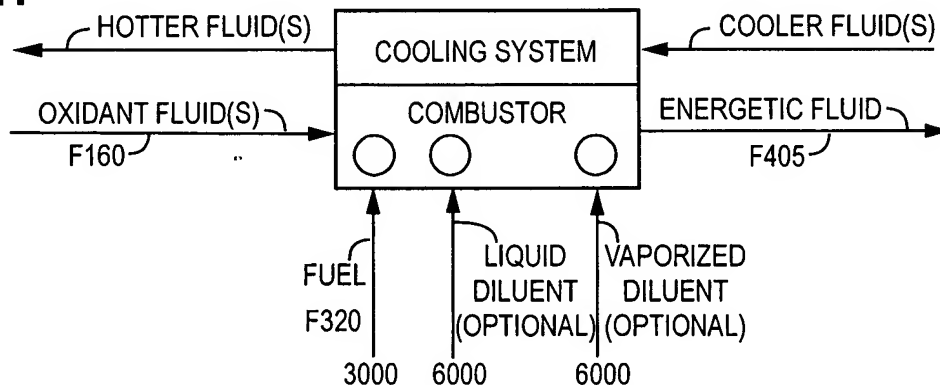


Fig. 22

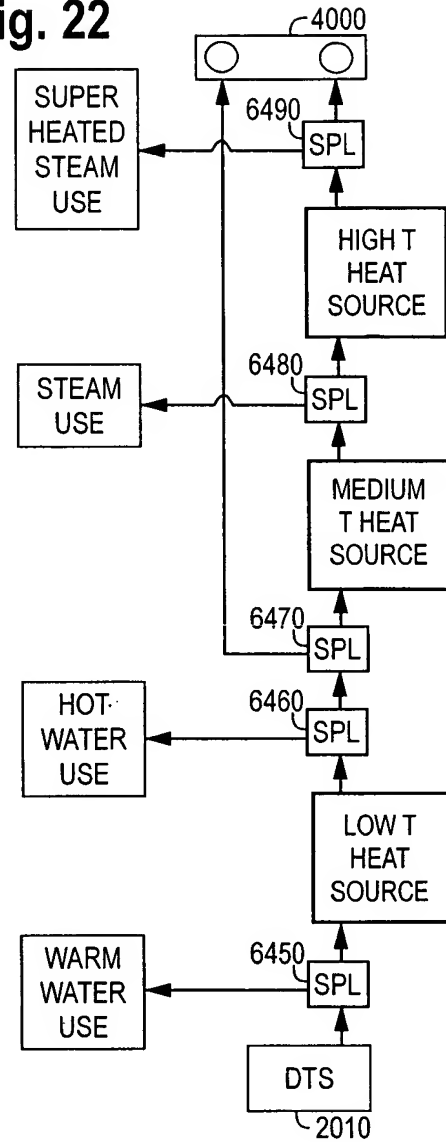


Fig. 23

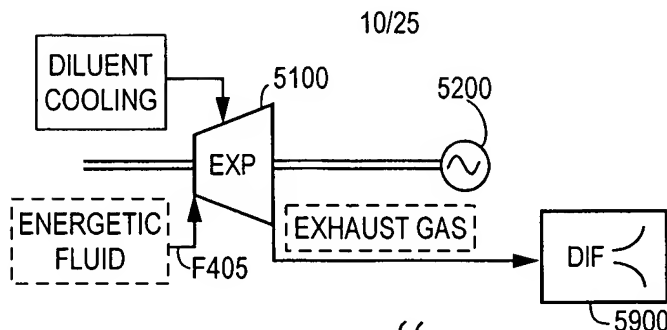


Fig. 24

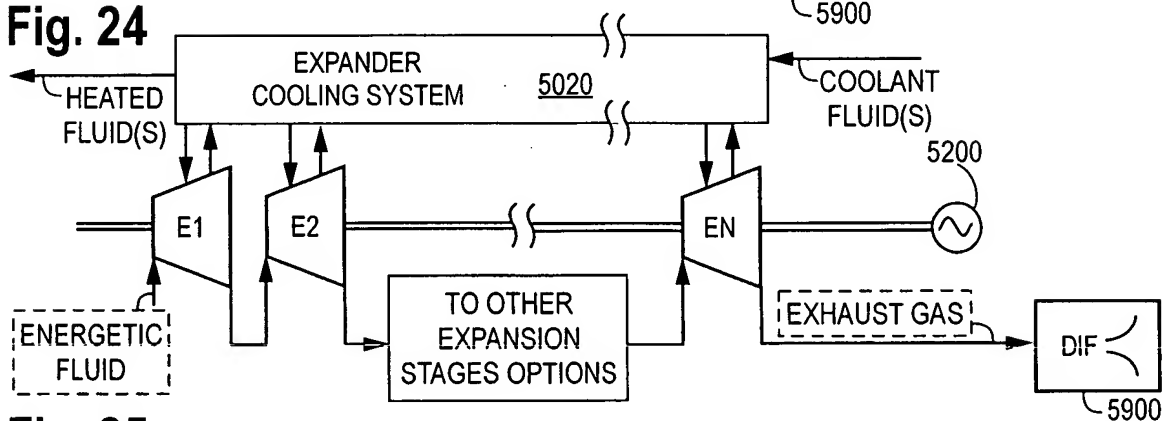


Fig. 25

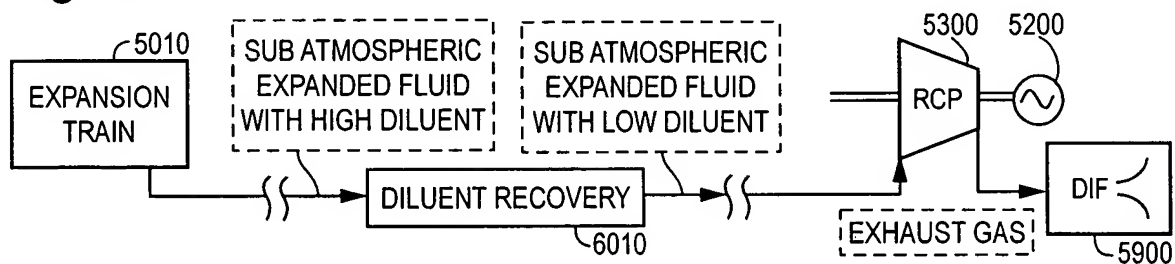
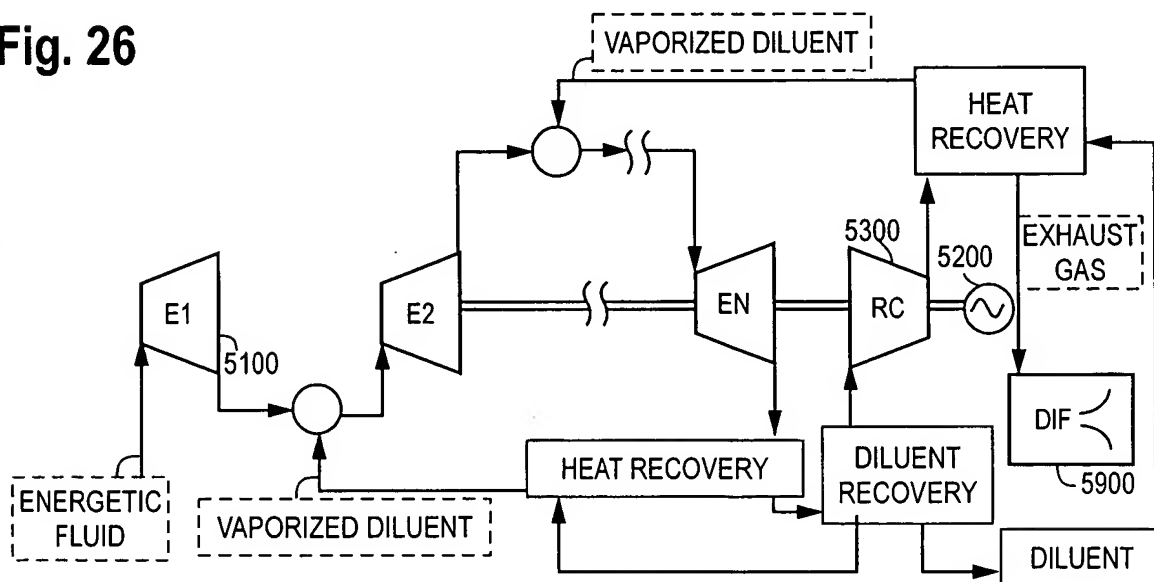


Fig. 26



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Fig. 27

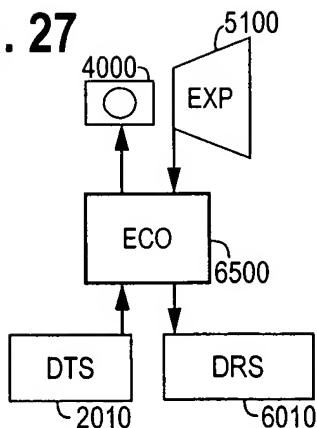


Fig. 28

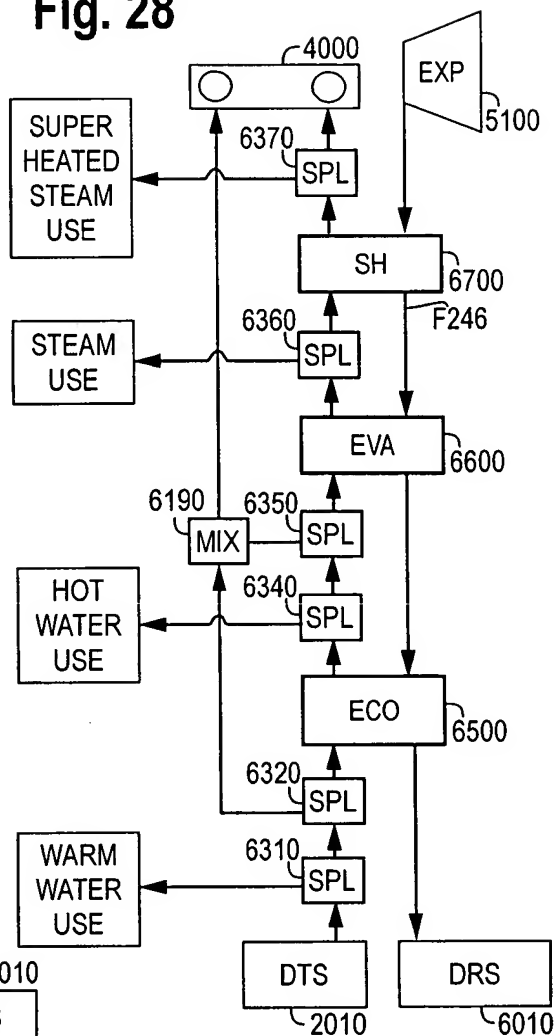


Fig. 29

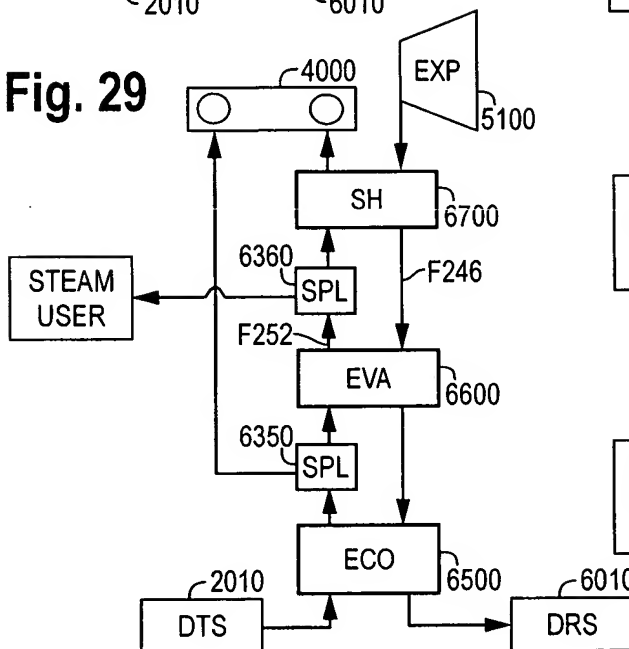


Fig. 30

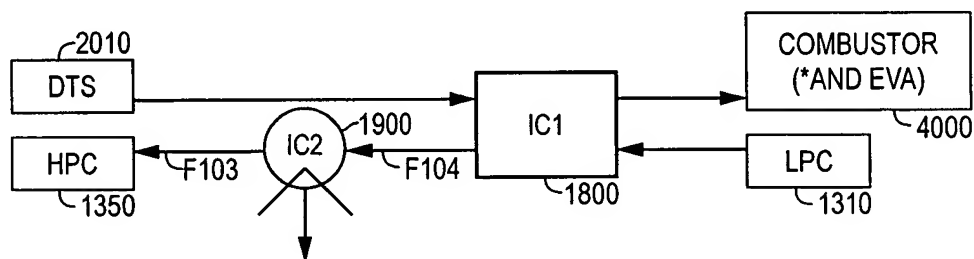


Fig. 31

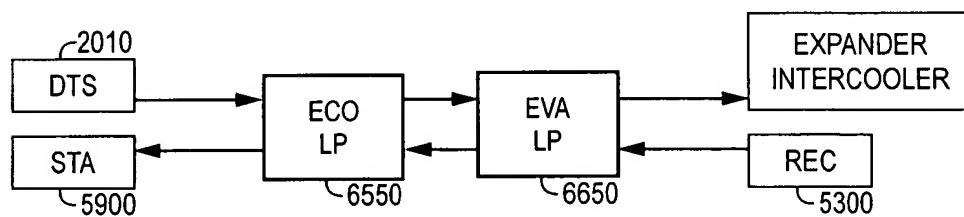


Fig. 32

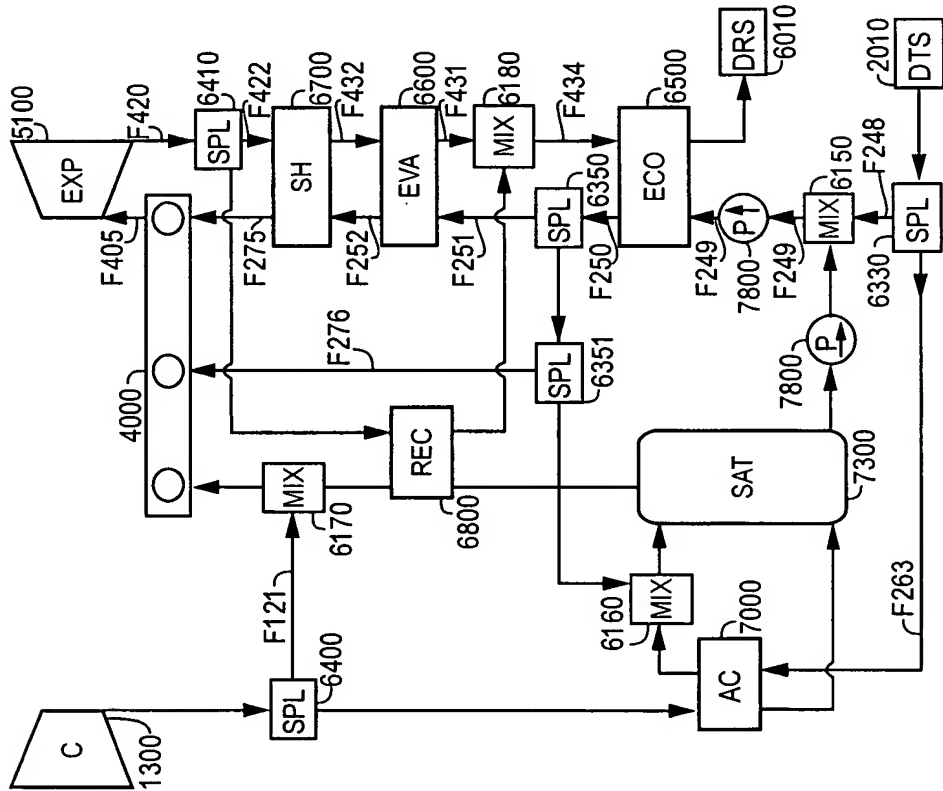


Fig. 34

The diagram illustrates a power cycle system, labeled Fig. 34. The system is enclosed in a dashed boundary 6010. Key components include:

- ECO (6500)**: External Cooling Oil, connected to the FGC (7400) via flow stream F430.
- FGC (7400)**: Fuel Gas Compressor, connected to the RCP (5300) via flow stream 7400.
- COOLER (7600)**: Connected to the FGC (7400) via flow stream F244 and to the TRE (8600) via flow stream F243.
- TRE (8600)**: Turbine, connected to the COOLER (7600) via flow stream F243 and to the SPL (6300) via flow stream F241.
- SPL (6300)**: Separator, connected to the TRE (8600) via flow stream F241 and to the TRE (2300) via flow stream F246.
- TRE (2300)**: Turbine, connected to the SPL (6300) via flow stream F246.
- Pumps**: Indicated by a circle with a 'P' and an asterisk (*). These include pump 7850 (connected to the COOLER (7600) via flow stream F245), pump 7820 (connected to the SPL (6300) via flow stream F242), and pump 7810 (connected to the TRE (8600) via flow stream F245).
- RCP (5300)**: Recirculation Pump, connected to the FGC (7400) via flow stream 7400.

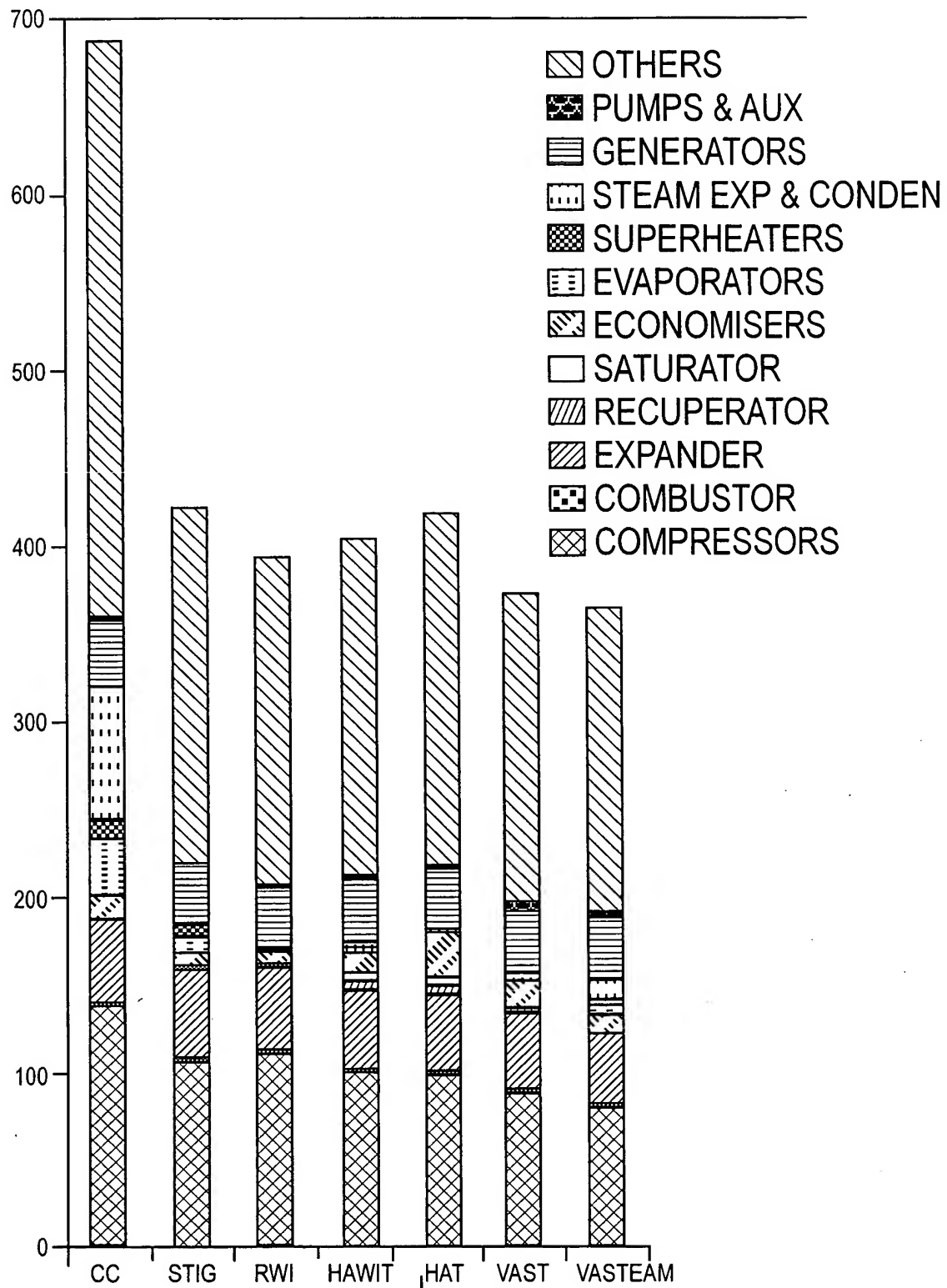
Flow streams are labeled as follows:

- F240**: Flow from the FGC (7400) to the TRE (8600).
- F241**: Flow from the TRE (8600) to the SPL (6300).
- F242**: Flow from the SPL (6300) to the TRE (8600).
- F243**: Flow from the COOLER (7600) to the TRE (8600).
- F244**: Flow from the COOLER (7600) to the FGC (7400).
- F245**: Flow from the TRE (8600) to the COOLER (7600).
- F246**: Flow from the SPL (6300) to the TRE (2300).
- F430**: Flow from the ECO (6500) to the FGC (7400).

[illegible]

Fig. 37

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Fig. 38

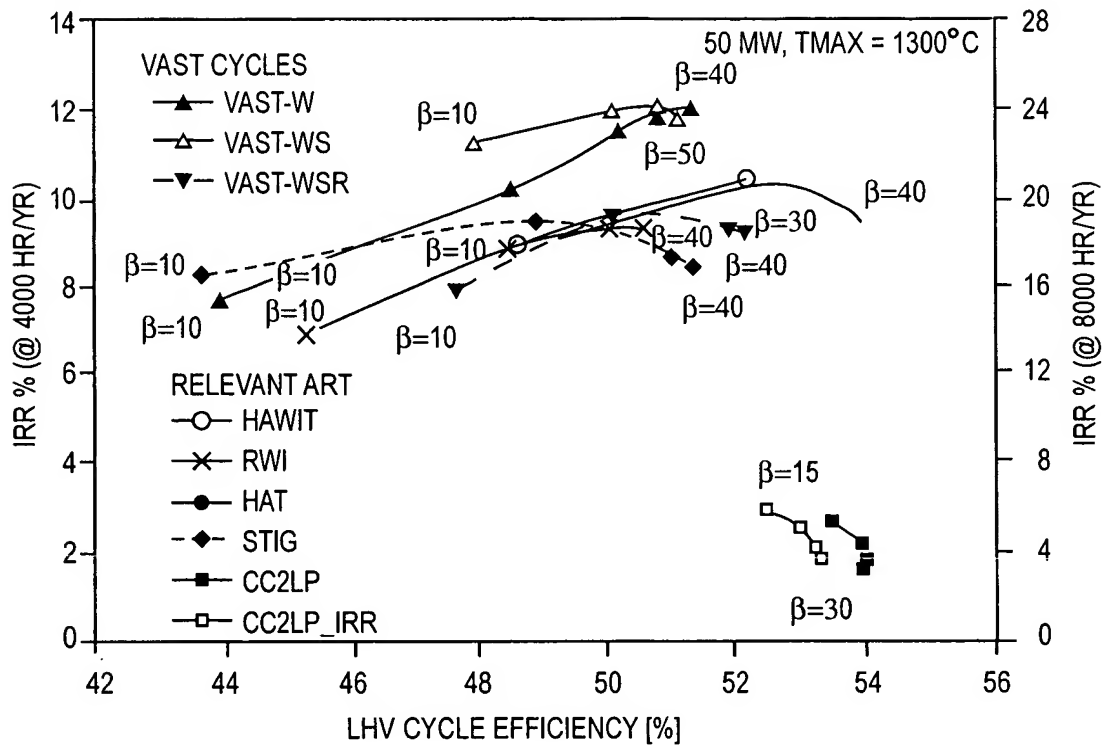


Fig. 39

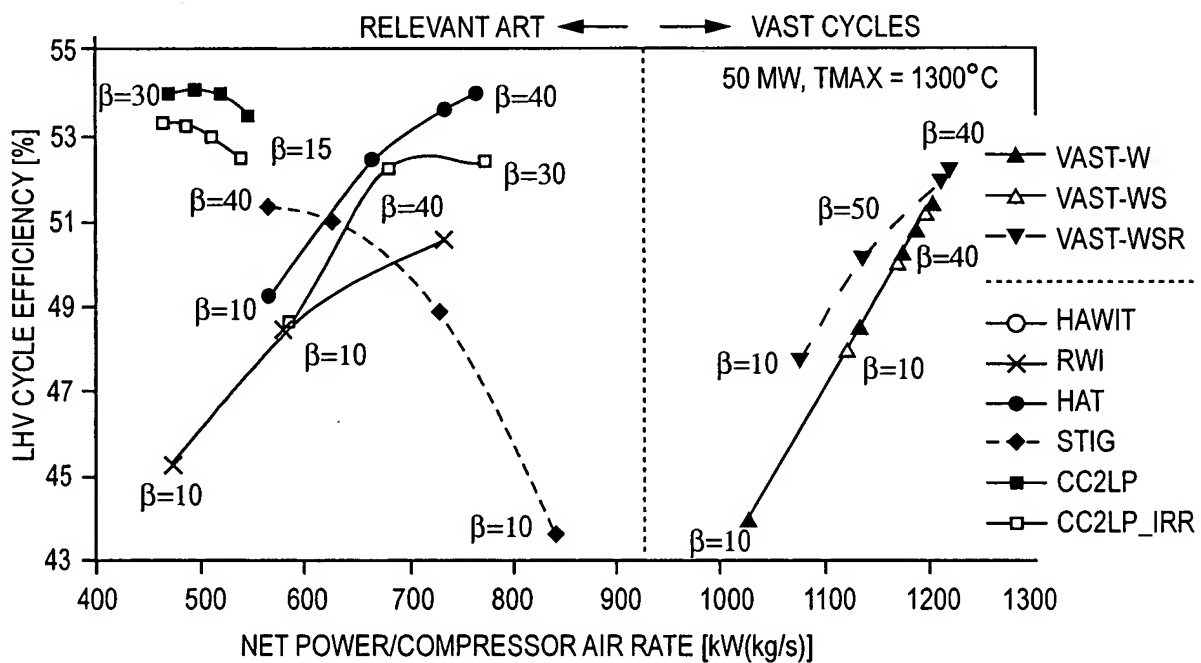


Fig. 40

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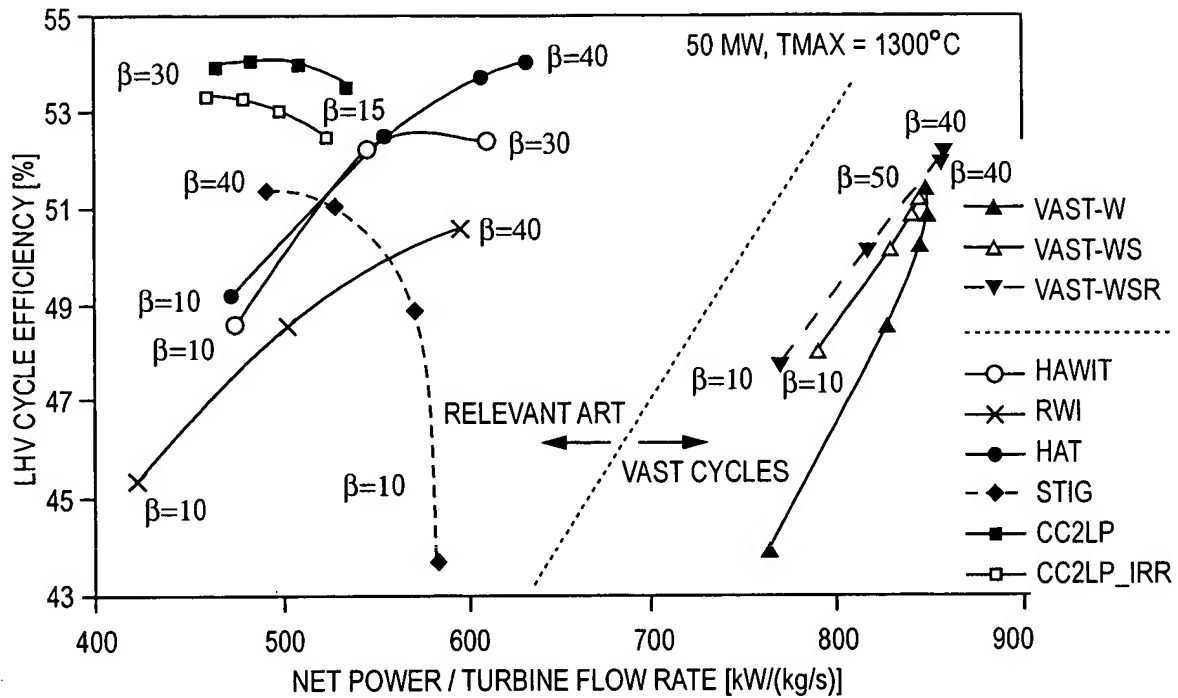
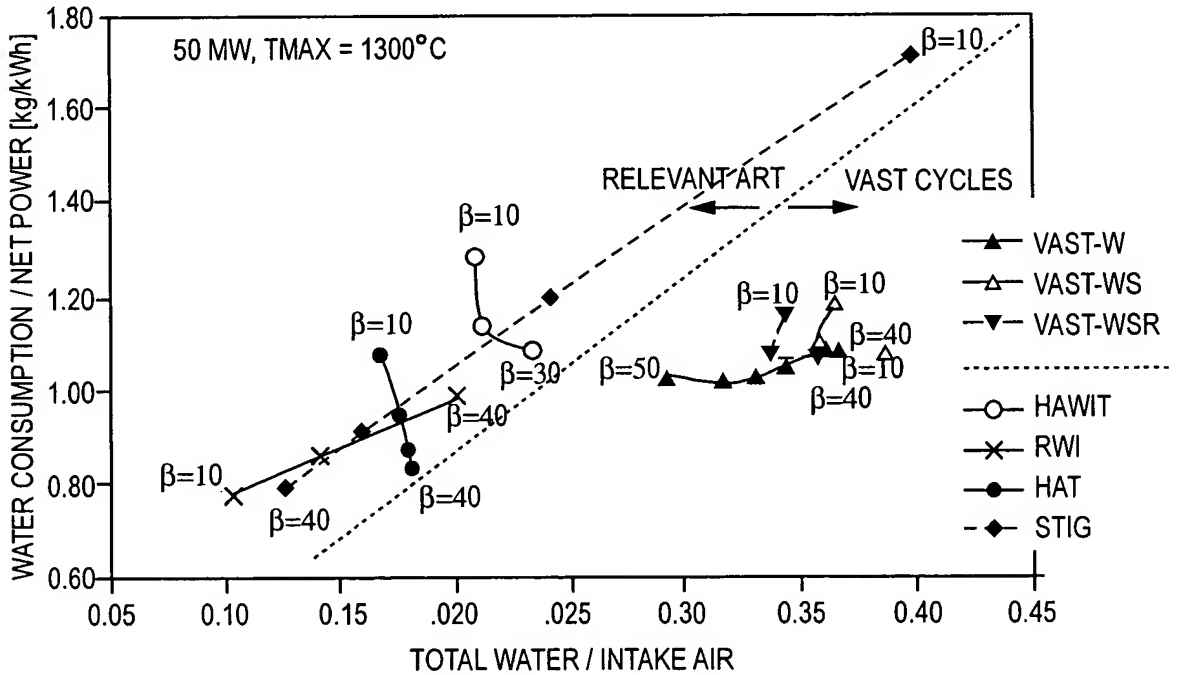


Fig. 41



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Fig. 42

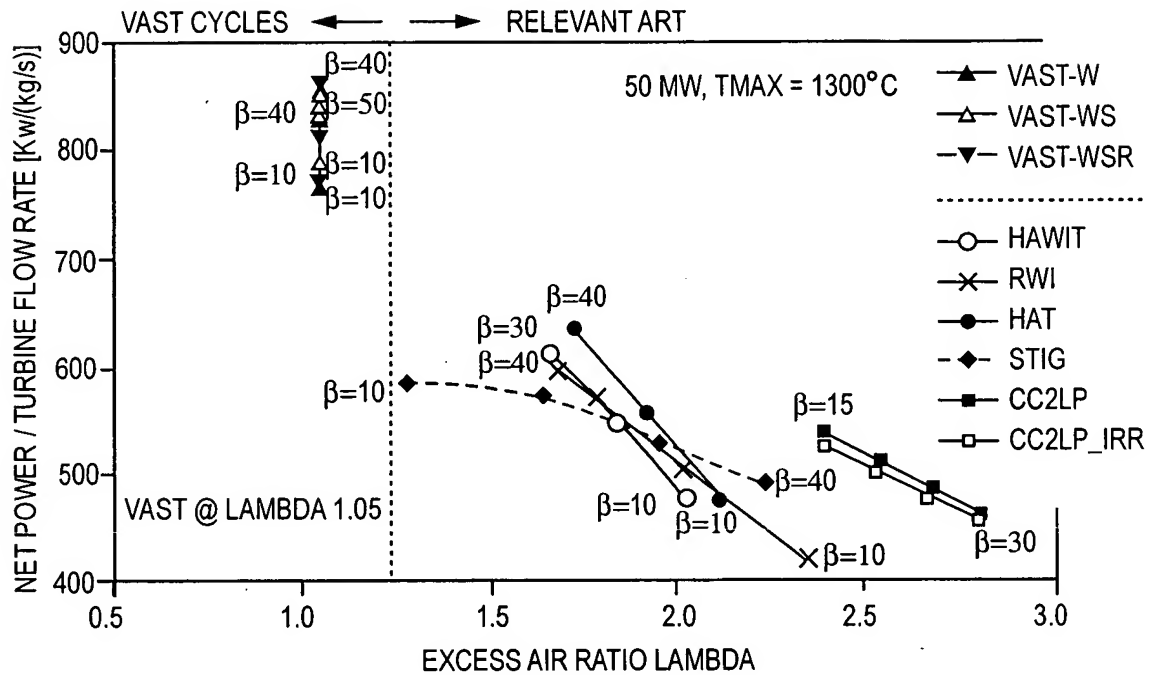
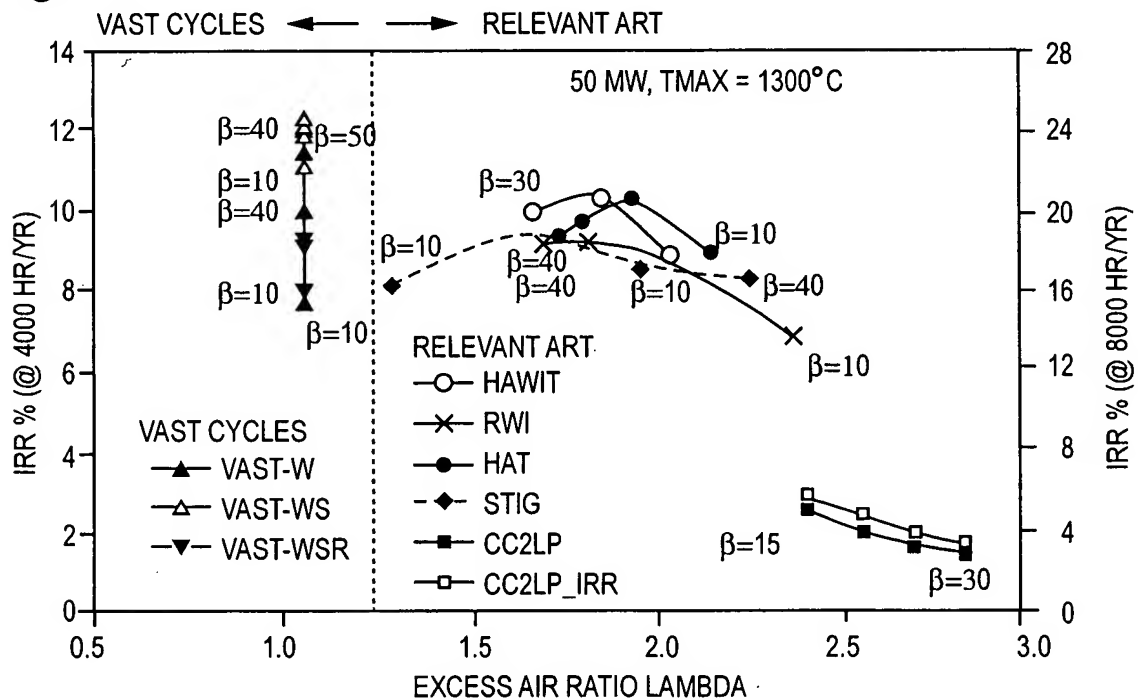


Fig. 43



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Fig. 44

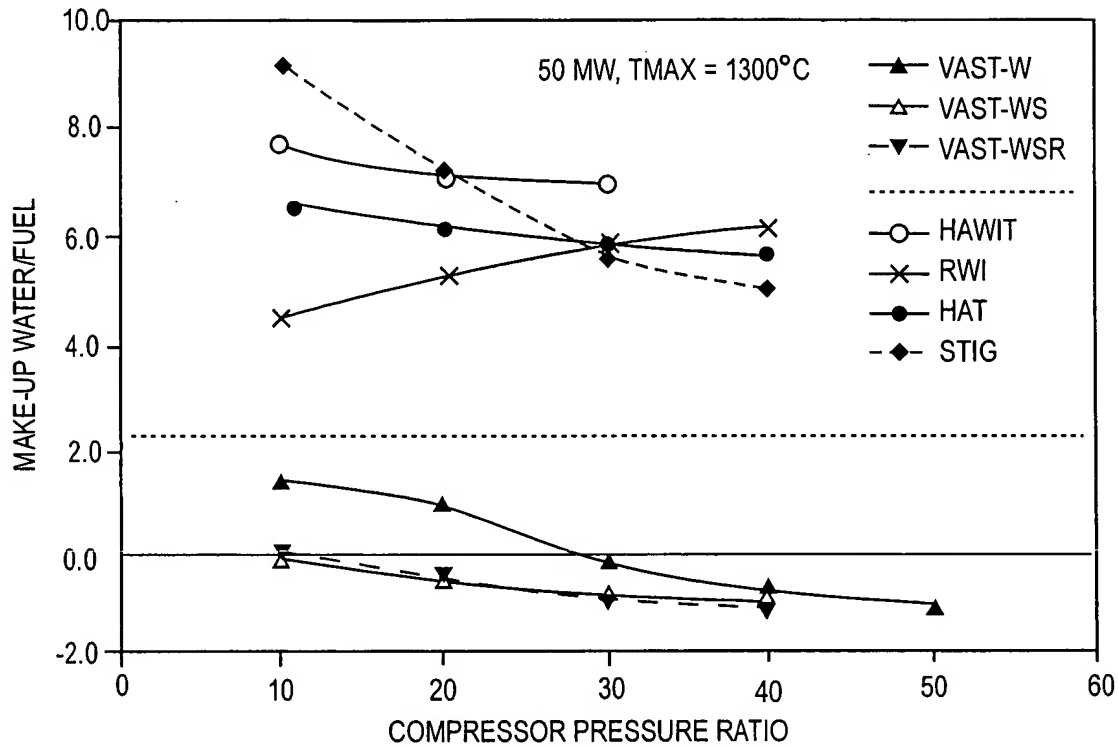
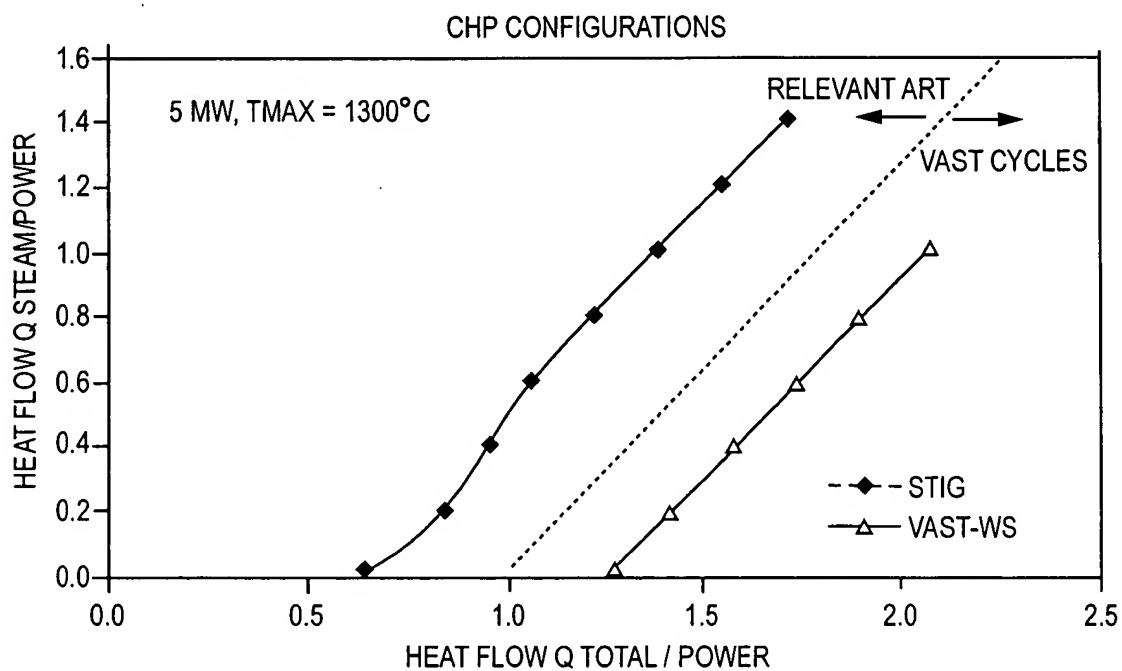


Fig. 45



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Fig. 46

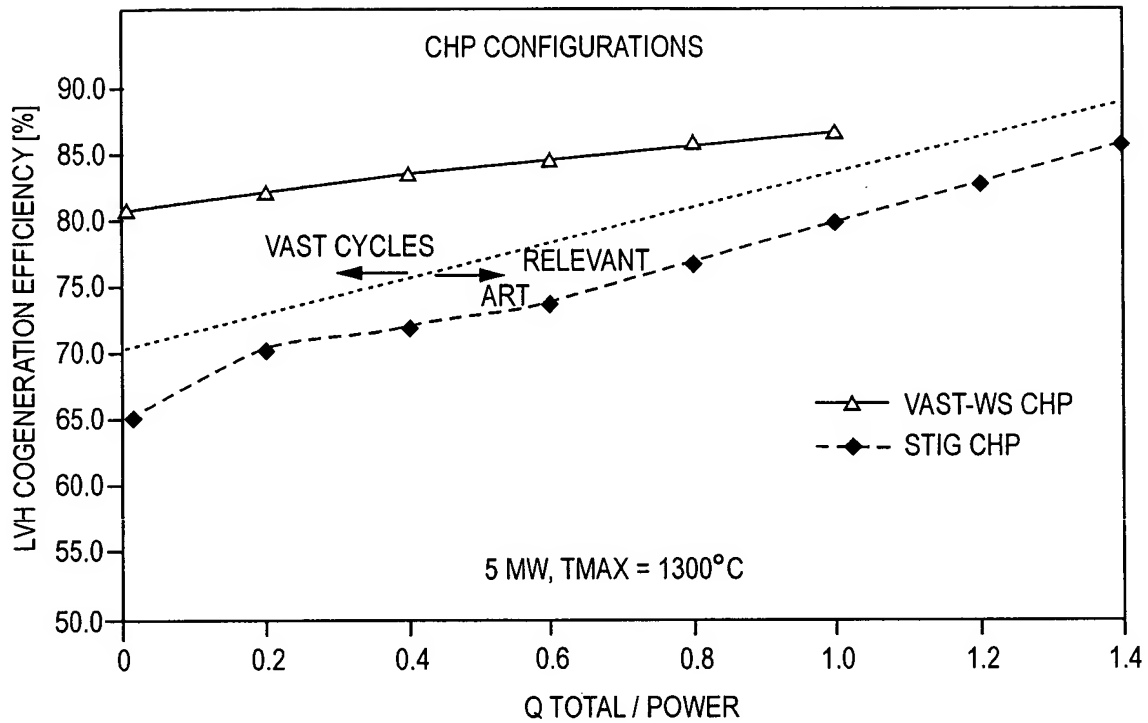
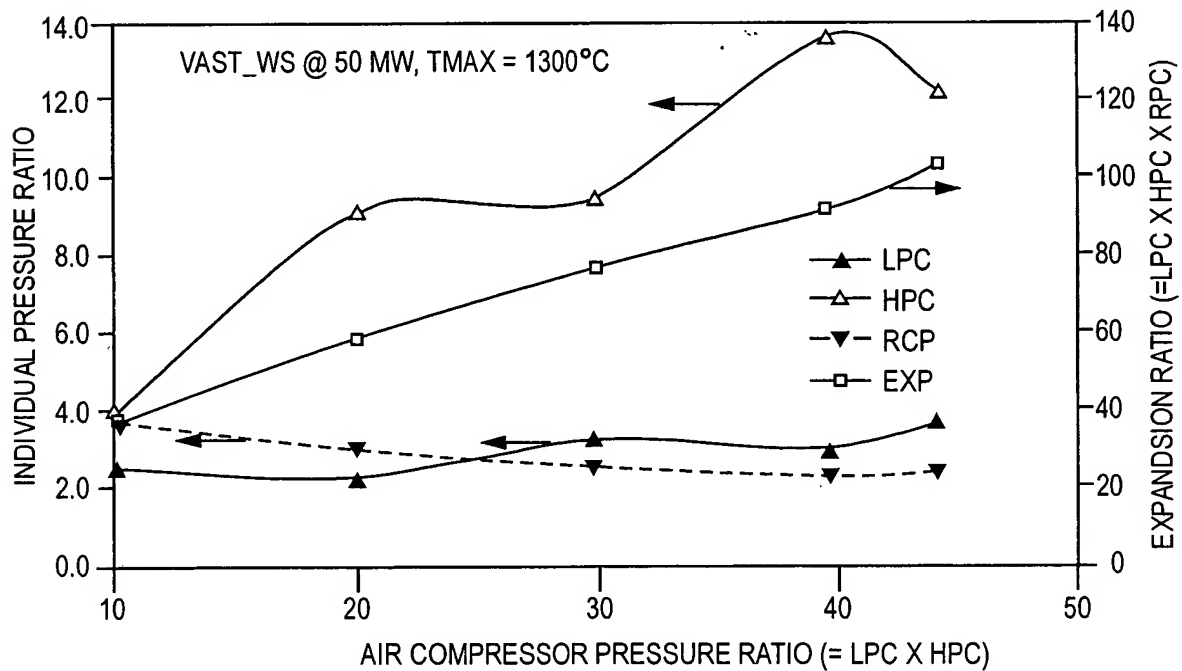


Fig. 47



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Fig. 48

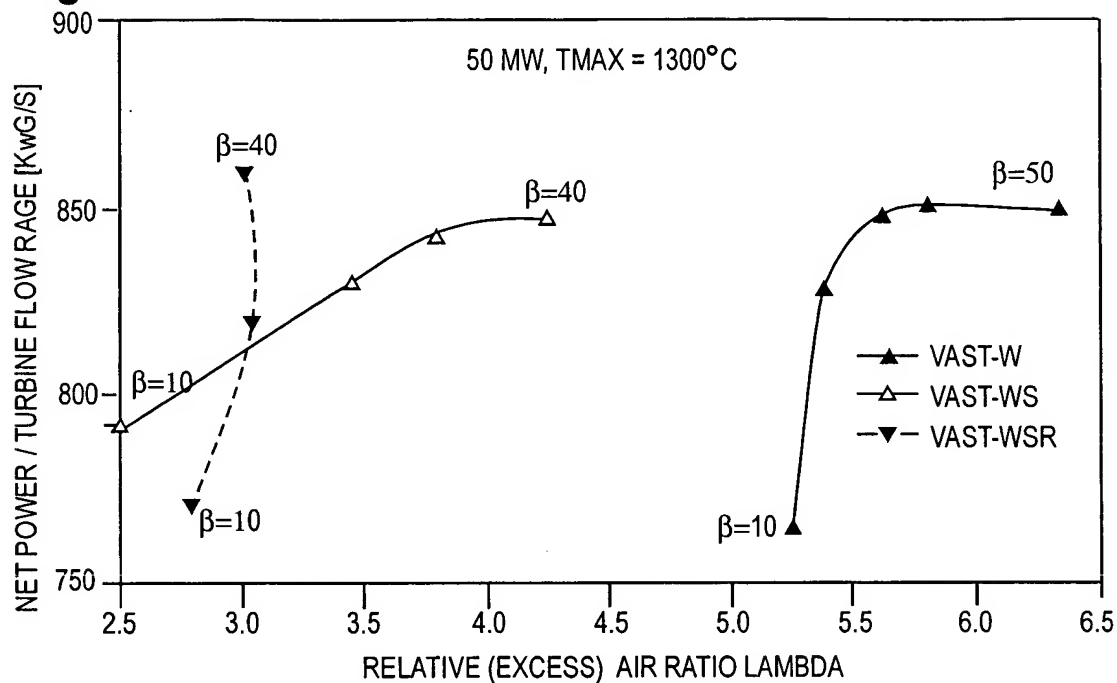
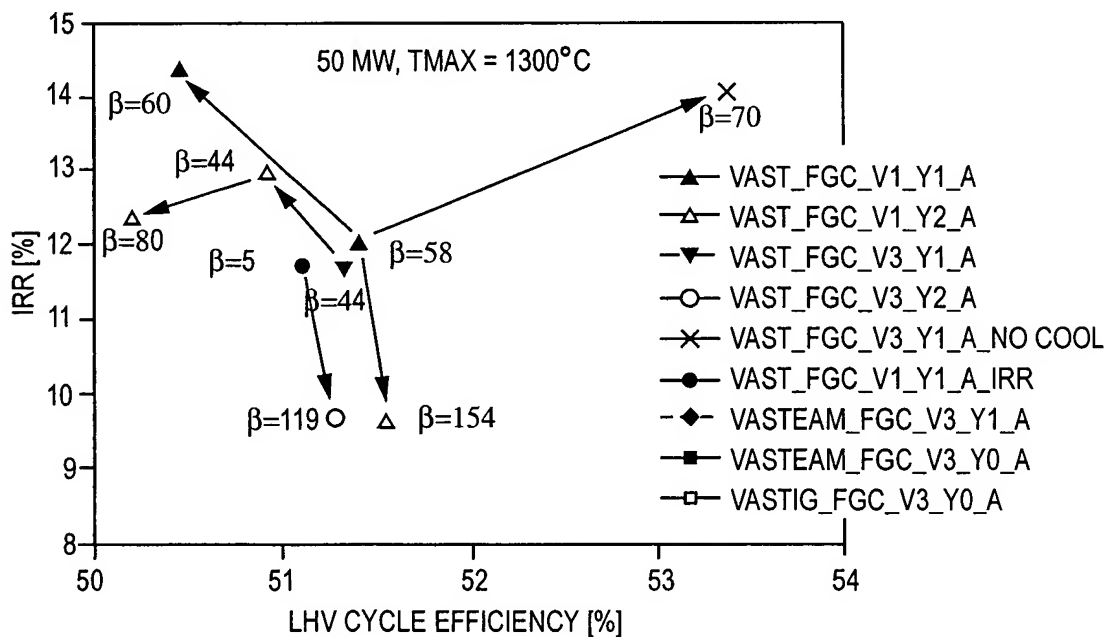


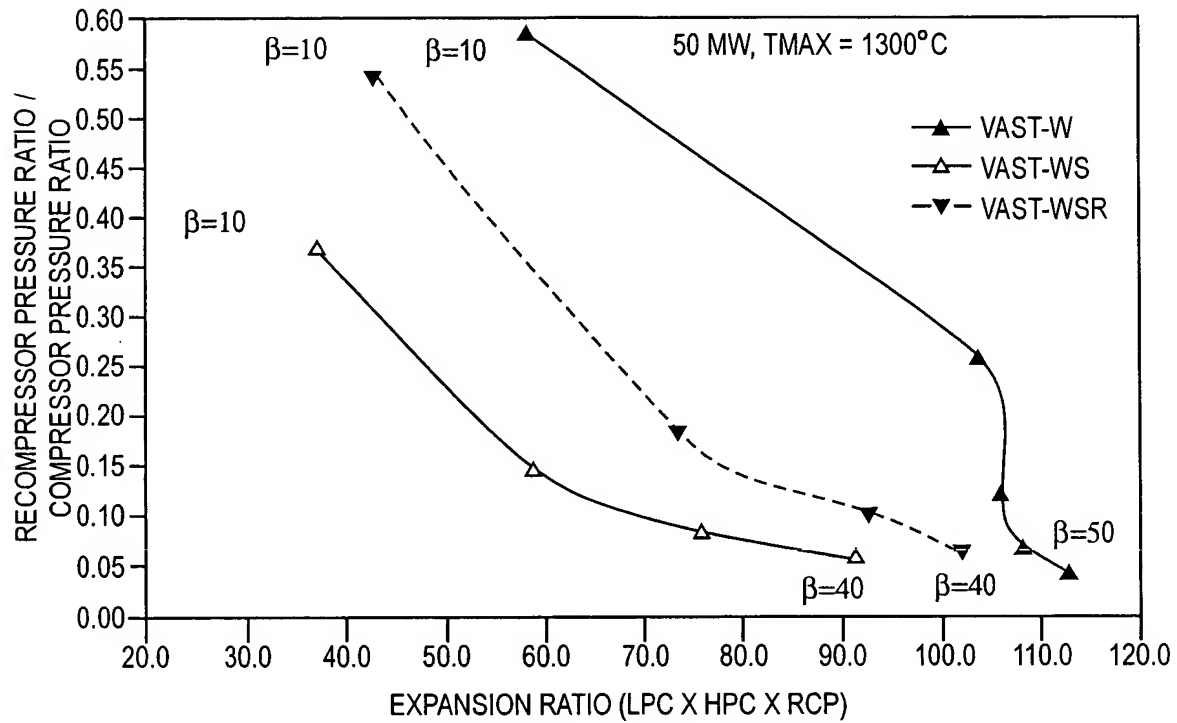
Fig. 49

PRESSURE RATIOS FOR VAST-WS



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Fig. 50



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Fig. 51

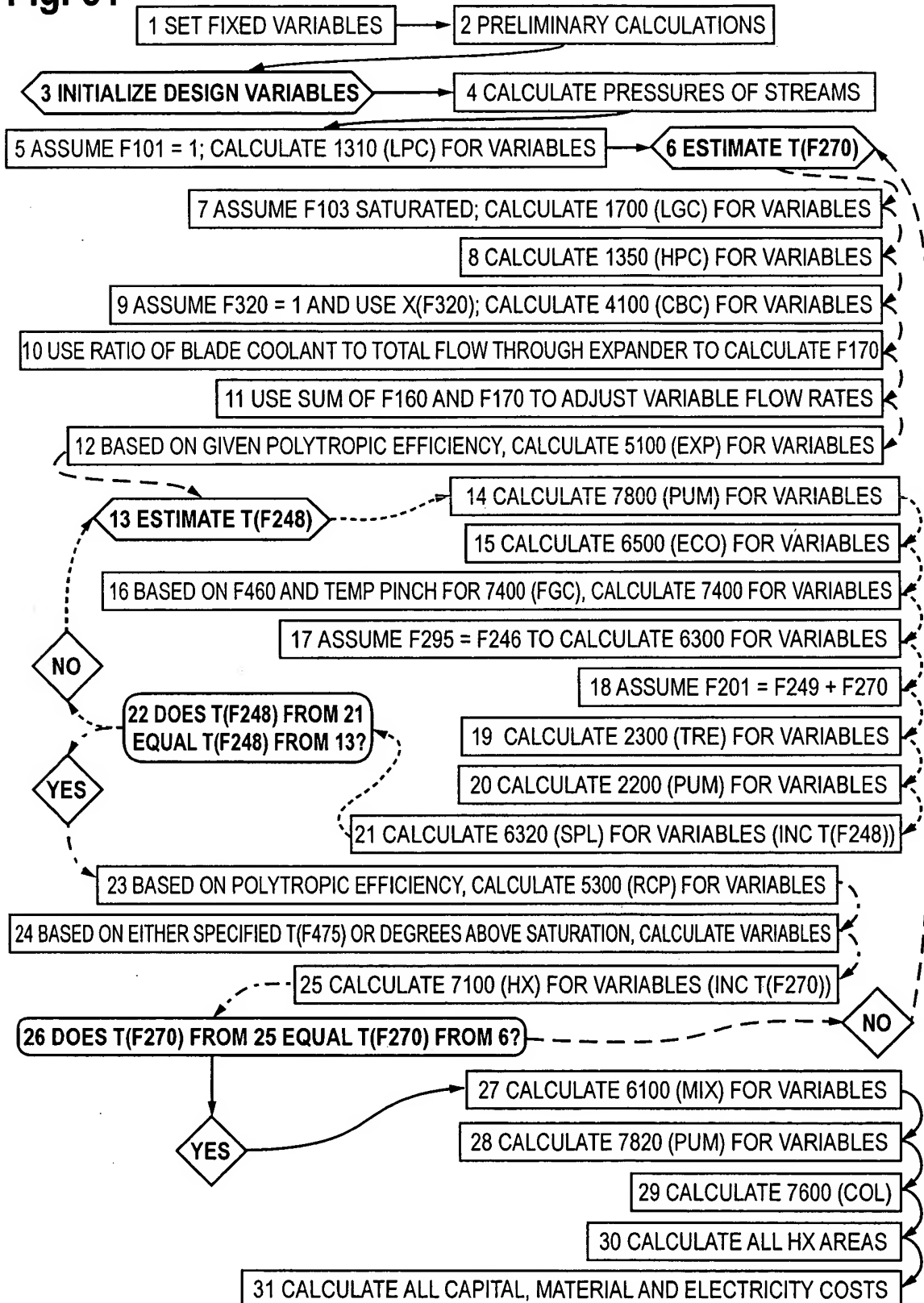


Fig. 52

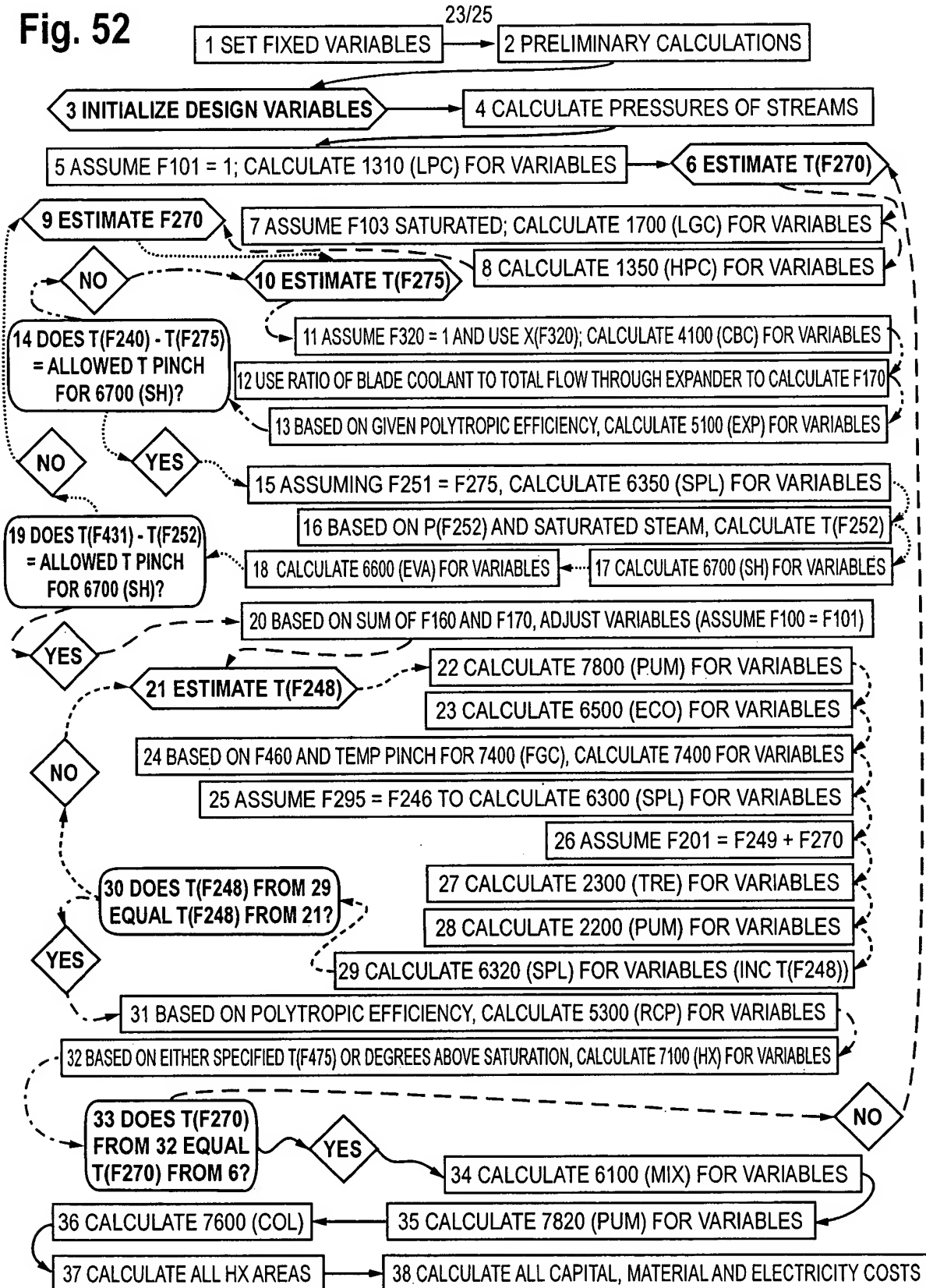


Fig. 53 RELEVANT ART

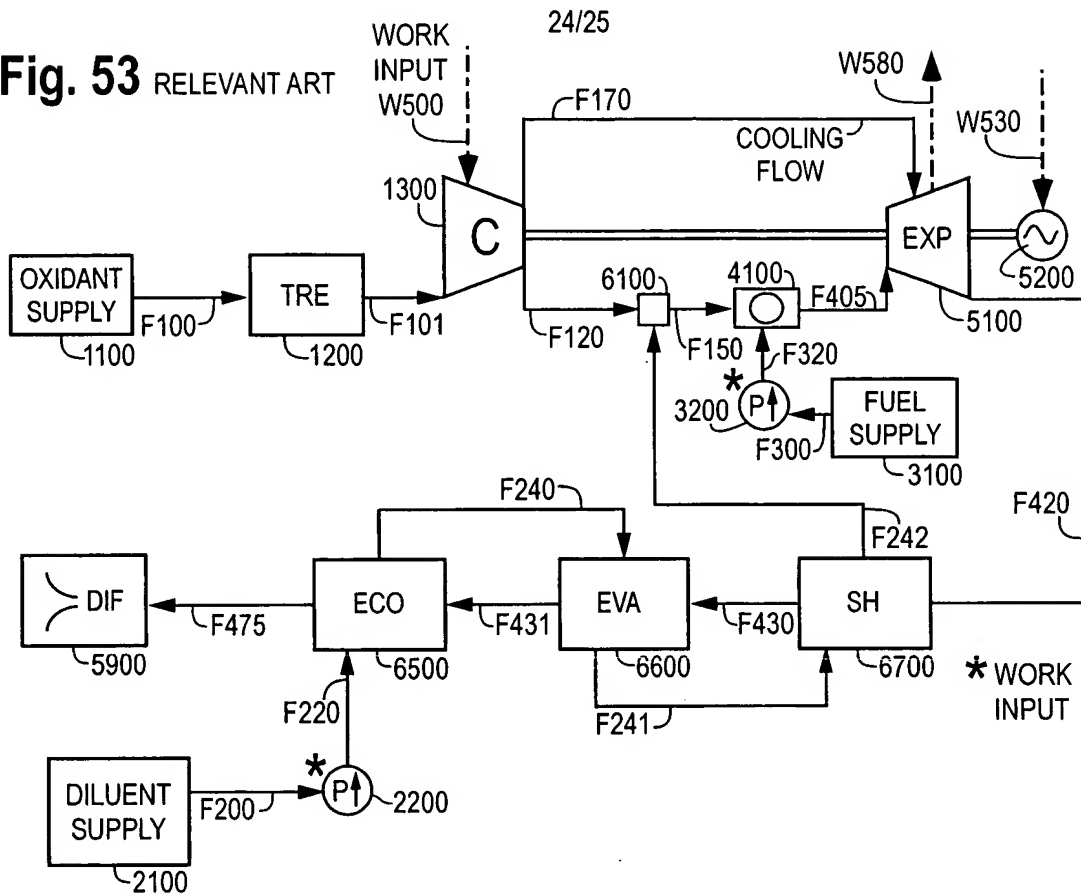


Fig. 54 RELEVANT ART

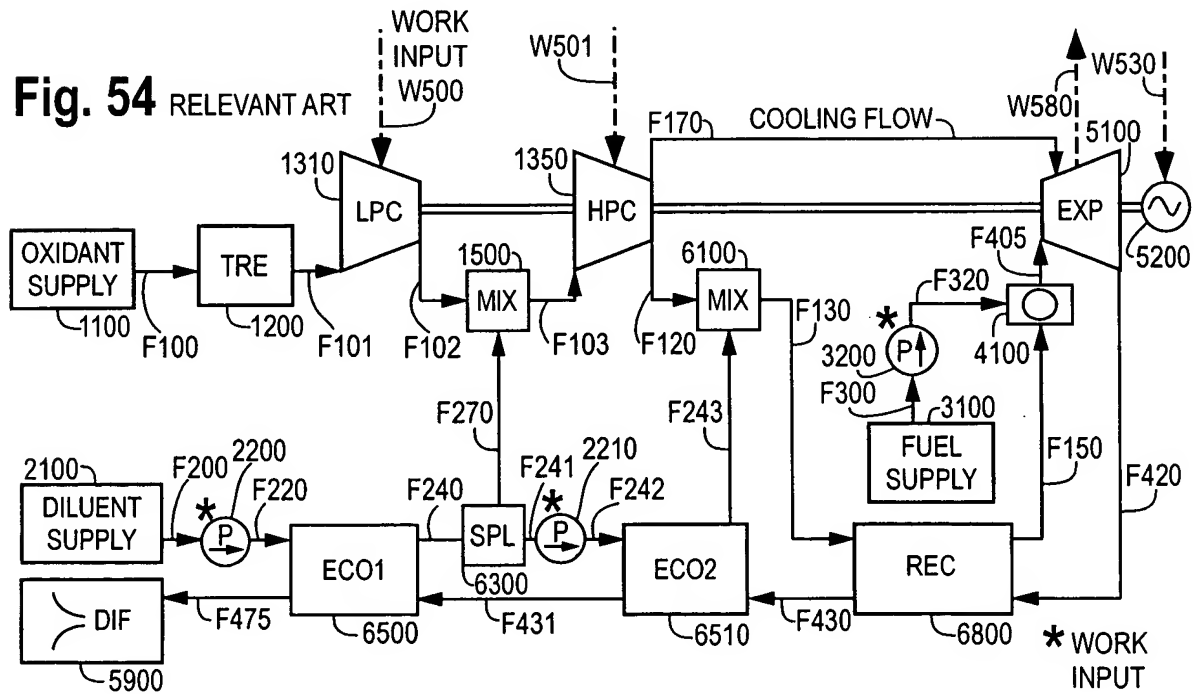


Fig. 55

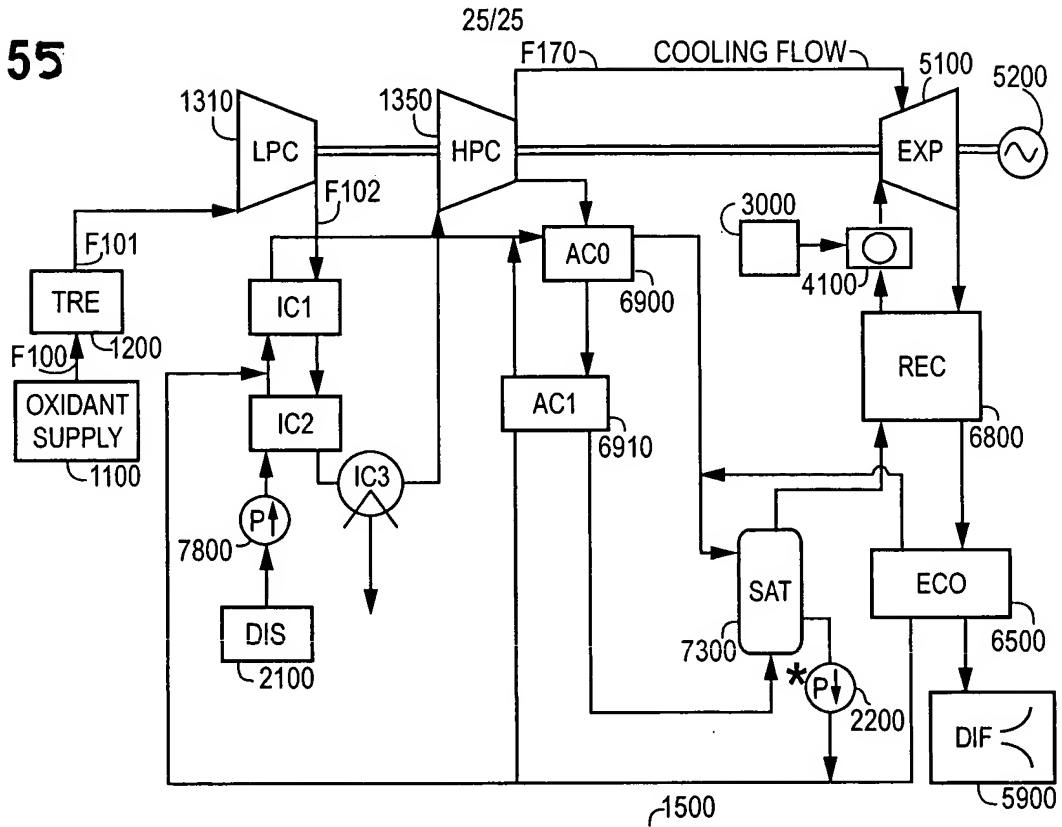


Fig. 55

